

## ABSTRACT

After a switch of a transmission rate for a mobile station, the next switch of the transmission rate for the mobile station is halted for a predetermined period of time. Thus, deterioration in resource use efficiency can be prevented, and a switch to a high transmission rate for another mobile station requiring the high transmission rate can be smoothly performed, thus the throughput quality can be maintained.

A wireless base station or a control station switches a transmission rate for each mobile station in accordance with the amount of information transmitted and received, and, after switching a transmission rate for one of the mobile stations, halts the next switch control of transmission rates for the mobile station for a predetermined period of time, thus optimizing system performance. A switch halt period is variably set depending on whether a current transmission rate and a switched transmission rate are higher or lower, or in accordance with the number of remaining resources.